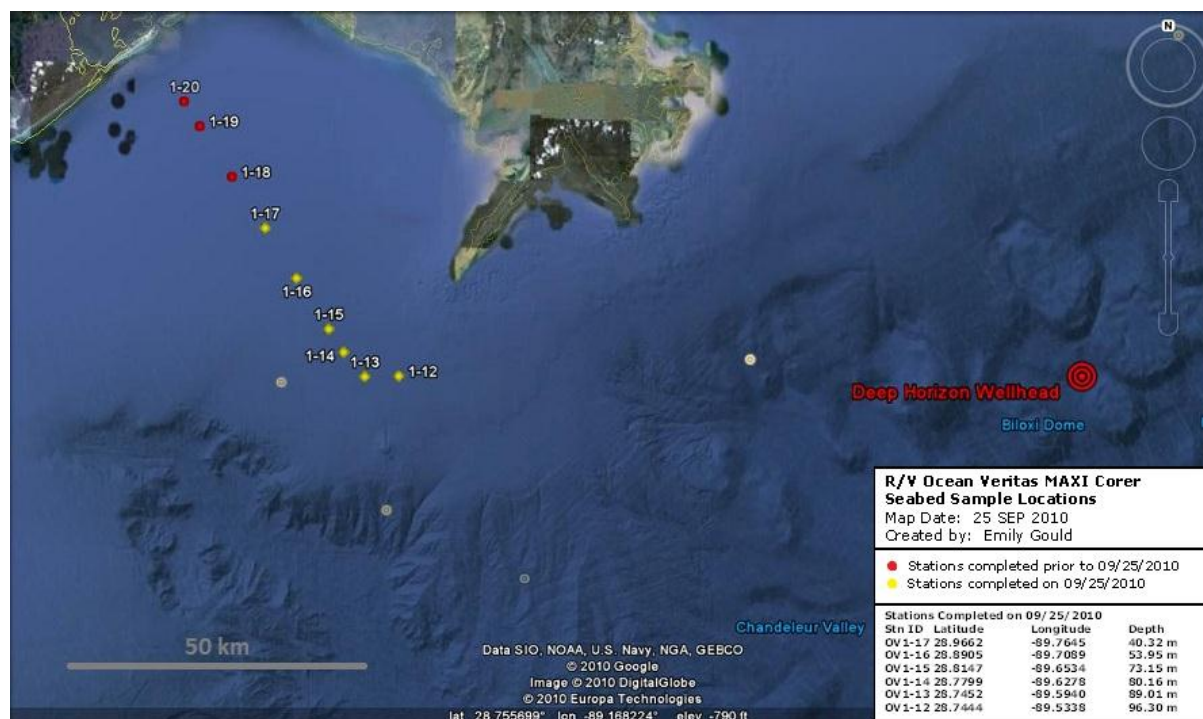


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	01
Operating equipment	MAXI Corer (8 core unit)
Date	25 September 2010
Completed casts (12 hr)	6
Report compiled by	Brian Critchley/Emily Gould

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPGY01. GC/MS and toxicology testing was conducted offshore. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna, macrofauna and microbiology testing and analysis onshore.

Station 1-17

Lat: 28.965317

Long: -89.762877

Cores recovered: 8 out of 8

Supernatant water

Visible contamination: None

Olfaetible contamination: None

Toxicology: tested using an Azur Microtox 500 water purity monitoring system which measures the bioluminescence inhibition of the bacteria *Vibrio fischeri* after sample exposure at various sample concentrations. Unreliable results in discovering bacteria dead.

Sediment

Visible contamination: None

Olfaetible contamination: None

Description: Approx 7cm very soft olive/brown silty clay, gradual transition to 40cm soft olive/brown clay. Top 0-3 cm not examined as given to GC/MS for analysis.

Gas Chromatography & Mass Spectroscopy: The top 3cm of sediment core was sampled and analysed for EPA priority pollutant PAHs and Corexit 9500 dispersant. The sample was also screened for the source oil fingerprint. None of the target analytes were detected. No source oil was detected.



Station 1-16

Lat: 28.890261

Long: -89.708842

Cores recovered: 8 out of 8

Supernatant water

Visible contamination: None

Olfactible contamination: None

Toxicology: tested using an Azur Microtox 500 water purity monitoring system which measures the bioluminescence inhibition of the bacteria *Vibrio fischeri* after sample exposure at various sample concentrations. Unreliable results in discovering bacteria dead.

Sediment

Visible contamination: None

Olfactible contamination: None

Description: Approx 7cm very soft olive/brown silty clay, gradual transition to 40cm soft olive/brown clay. Top 0-3 cm not examined as given to GC/MS for analysis.

Gas Chromatography & Mass Spectroscopy: The top 3cm of sediment core was sampled and analysed for EPA priority pollutant PAHs and Corexit 9500 dispersant. The sample was also screened for the source oil fingerprint. None of the target analytes were detected. No source oil was detected.



Station 1-15

Lat: 28.814395

Long: -89.653380

Cores recovered: 7 out of 8

Supernatant water

Visible contamination: None

Odorible contamination: None

Toxicology: frozen and will be tested using an Azur Microtox 500 water purity monitoring system which measures the bioluminescence inhibition of the bacteria *Vibrio fischeri* after sample exposure at various sample concentrations.

Sediment

Visible contamination: None

Odorible contamination: None

Description: Approx 10cm soupy brown silty clay, gradual transition to 47cm soft olive/brown clay with black organic streaks. Top 0-3 cm not examined as given to GC/MS for analysis.

Gas Chromatography & Mass Spectroscopy: The top 3cm of sediment core was sampled and analysed for EPA priority pollutant PAHs and Corexit 9500 dispersant. The sample was also screened for the source oil fingerprint. None of the target analytes were detected. No source oil was detected.



Station 1-14

Lat: 28.77967

Long: -89.62774

Cores recovered: 8 out of 8

Supernatant water

Visible contamination: None

Odorible contamination: None

Toxicology: frozen and will be tested using an Azur Microtox 500 water purity monitoring system which measures the bioluminescence inhibition of the bacteria *Vibrio fischeri* after sample exposure at various sample concentrations.

Sediment

Visible contamination: None

Odorible contamination: None

Description: Approx 5cm soupy olive/brown silty clay, gradual transition to 30cm soft olive/brown clay with few black organic streaks. Top 0-3 cm not examined as given to GC/MS for analysis.

Gas Chromatography & Mass Spectroscopy: The top 3cm of sediment core was sampled and analysed for EPA priority pollutant PAHs and Corexit 9500 dispersant. The sample was also screened for the source oil fingerprint. None of the target analytes were detected. No source oil was detected.



Station 1-13

Lat: 28.745397

Long: -89.691459

Cores recovered: 8 out of 8

Supernatant water

Visible contamination: None

Olfactible contamination: None

Toxicology: frozen and will be tested using an Azur Microtox 500 water purity monitoring system which measures the bioluminescence inhibition of the bacteria *Vibrio fischeri* after sample exposure at various sample concentrations.

Sediment

Visible contamination: None

Olfactible contamination: None

Description: Approx 10cm soupy olive silty clay, gradual transition to 40cm soft olive/brown clay. Top 0-3 cm not examined as given to GC/MS for analysis.

Gas Chromatography & Mass Spectroscopy: The top 3cm of sediment core was sampled and analysed for EPA priority pollutant PAHs and Corexit 9500 dispersant. The sample was also screened for the source oil fingerprint. None of the target analytes were detected. No source oil was detected.



Station 1-12

Lat: 28.744150

Long: -89.533402

Cores recovered: out of 8

Supernatant water

Visible contamination: None

Odorible contamination: None

Toxicology: frozen and will be tested using an Azur Microtox 500 water purity monitoring system which measures the bioluminescence inhibition of the bacteria *Vibrio fischeri* after sample exposure at various sample concentrations.

Sediment

Visible contamination: None

Odorible contamination: None

Description: Approx 5cm soupy brown silty clay, gradual transition to 35cm soft olive/brown silty clay with slight black organic streaks, then 10cm very soft olive/brown clay. Top 0-3 cm not examined as given to GC/MS for analysis.

Gas Chromatography & Mass Spectroscopy: The top 3cm of sediment core was sampled and analysed for EPA priority pollutant PAHs and Corexit 9500 dispersant. The sample was also screened for the source oil fingerprint. None of the target analytes were detected. No source oil was detected.

